



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: April 21, 2009

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Contract For Design Services For The Carrillo/Anacapa Intersection Traffic Safety Improvements Project

RECOMMENDATION:

That Council authorize the Public Works Director to execute a contract with Penfield & Smith (P&S) in the amount of \$29,750 for design services for the Carrillo/Anacapa Intersection Traffic Safety Improvements Project (Project), and authorize the Public Works Director to approve expenditures of up to \$2,975 for extra services of P&S that may result from necessary changes in the scope of work.

DISCUSSION:

BACKGROUND

The Carrillo/Anacapa intersection has been identified as having among the highest number of motor vehicle involved collisions in the City. According to the Police Department Traffic Collision Records, 62 collisions were reported at the Carrillo/Anacapa intersection between December 31, 2003 and December 31, 2007. There were 49 collisions reported as occurring within 75 feet of the intersection, and 33 of those were right angle collisions involving through traffic or left turning vehicles.

The Public Works Department contracted with P&S to provide a conceptual study which included evaluating existing conditions and developing recommendations for the Carrillo/Anacapa intersection. The primary goal of the study was to improve signal visibility and safety for all modes of transportation. P&S collected traffic counts at the study intersection, observed the intersection operations, and determined the existing intersection levels of service.

The conceptual study concluded that the two primary collision factors were eastbound traffic running red lights and signal visibility being compromised by signal pole location. The study also determined that the intersection geometry allows for incorporation of curb extensions on two corners to reduce pedestrian crossing time. Based on the study results, P&S provided several design options, and staff selected a preferred alternative for the Carrillo/Anacapa Intersection Traffic Safety Improvements project.

The Project was presented to the Transportation Circulation Committee (TCC) on September 25, 2008. The TCC found the Project consistent with the Circulation Element. The Project was also presented to the Historic Landmarks Commission on December 10, 2008, where it received preliminary approval.

PROJECT DESCRIPTION

Given the collision history data and field observations, the proposed improvements consist of new signal poles with mast arms over Carrillo Street to improve signal visibility along Carrillo Street, new pedestrian signal indicators with countdown heads in all directions, and relocation of the traffic control equipment cabinet. In addition, curb extensions and directional sidewalk access ramps would be installed on the northeast and southeast side of Carrillo Street. This intersection is a main transit route used by large delivery trucks; therefore, due to turning radius requirements for those vehicles, curb extensions are not recommended for the northwest and southwest sides of the intersection. Landscaping consistent with the City's water wise Landscape Design Standards will also be provided.

DESIGN PHASE CONSULTANT ENGINEERING SERVICES

Staff recommends that Council authorize the Public Works Director to execute a contract with P&S in the amount of \$29,750 plus \$2,975 for extra services for a total of \$32,725 for final design of the Project. P&S is one of the participants in the City's Three-year Prequalified Engineering Services Program and is experienced in this type of work.

FUNDING

The following summarizes all estimated total project costs:

ESTIMATED TOTAL PROJECT COST

Conceptual Study/Design with Penfield & Smith	\$23,600
Conceptual Landscape Plans	\$3,880
Design (by Contract)	\$32,725
Final Landscape Plans (by Contract)	\$3,565
Other Design Costs - City staff	\$12,000
Subtotal	\$75,770

Estimated Construction Contract w/Change Order Allowance	\$468,630
Estimated Construction Management/Inspection (by City)	\$64,000
Estimated Other Construction Costs (testing, etc.)	\$2,500
<i>Subtotal</i>	\$535,130
TOTAL PROJECT COST	\$610,900

Project funding includes approximately \$320,000 in Measure D funds. There are sufficient funds in the Streets Capital Fund to cover these remaining costs.

SUSTAINABILITY IMPACT:

This project will include the use of recycled materials, whenever feasible, and water wise landscaping.

PREPARED BY: John Ewasiuk, Principal Civil Engineer/LA/cc

SUBMITTED BY: Christine F. Andersen, Public Works Director

APPROVED BY: City Administrator's Office